

ABSTRACT

The optical module according to the present invention is an optical-electrical converting component between an optical fiber and an electronic circuit. In the optical module, the optical elements are positioned by positioning mounts, which the optical elements are separately mounted on, by means of a positioning system inside the package. In positioning the optical elements, there is particularly used a passive method which positions the mounts by directly contacting them with walls and the like in the package. That is, the first mount is positioned by being provided so as to directly contact a directly contacting face, which is provided on the protruding wall of the inner side of the package, and a side face, which is perpendicular to said directly contacting face of the positioning stand, protruding from the package bottom. The second mount is positioned by directly contacting the package inner wall face, and the directly contacting face which is provided perpendicular to the package inner wall face at the protruding wall, protruding inside the package.

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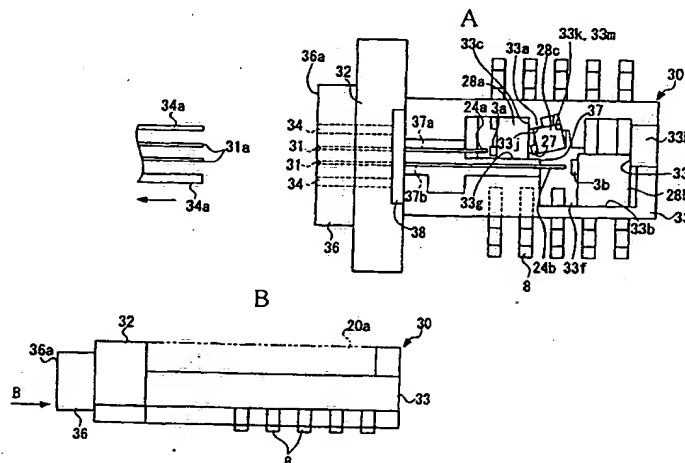
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(57) Abstract

A passive method is provided as alignment means for aligning an optical fiber with an optical element in assembling an optical module, while increasing alignment accuracy. A mount (28a) equipped with an optical element (3a) is positioned by abutment on a face (33c) of a projection (33a) formed inside a package (33) and on a side (33g) of a positioning pad (37) projecting from the bottom (33f) of the package. A mount (28b) equipped with an optical element (3b) is positioned by abutment on an inner wall (33b) of the package and on a face (33i) of a projection (33c) formed inside the package. Since the optical power of received or emitted light need not be monitored for fine adjustments of alignment, this method is less expensive.